

Title (en)
SYSTEMS ENABLING ALTERNATIVE APPROACHES TO THERAPEUTIC RED BLOOD CELL EXCHANGE AND/OR THERAPEUTIC PLASMA EXCHANGE

Title (de)
SYSTEME, DIE ALTERNATIVE ANSÄTZE ZUM THERAPEUTISCHEN AUSTAUSCH ROTER BLUTKÖRPERCHEN UND/ODER ZUM THERAPEUTISCHEN PLASMAAUSTAUSCH ERMÖGLICHEN

Title (fr)
SYSTÈMES PERMETTANT DES APPROCHES ALTERNATIVES À L'ÉCHANGE THÉRAPEUTIQUE DE GLOBULES ROUGES ET/OU À L'ÉCHANGE THÉRAPEUTIQUE DE PLASMA

Publication
EP 3834858 A1 20210616 (EN)

Application
EP 20212981 A 20201210

Priority
US 201962947027 P 20191212

Abstract (en)
Systems and methods are provided for therapeutic red blood cell exchange and/or therapeutic plasma exchange. A blood separation device includes a centrifugal separator, a spinning membrane separator drive unit, a pump system, and a controller. Blood is conveyed through a fluid flow circuit into either the centrifugal separator or the spinning membrane separator, which separates out the target blood component (red blood cells, in the case of therapeutic red blood cell exchange, or plasma, in the case of therapeutic plasma exchange). The target blood component is retained in the circuit as a waste product, while a replacement fluid is added to the remaining blood component(s), which is then conveyed to a recipient. In addition to allowing for execution of an exchange procedure using either a centrifugal separator or a spinning membrane separator drive unit, the blood separation device also allows for the use of differently sized spinning membrane separators.

IPC 8 full level
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Citation (applicant)
• US 5194145 A 19930316 - SCHOENDORFER DONALD W [US]
• WO 2018053217 A1 20180322 - FENWAL INC [US]
• US 8075468 B2 20111213 - MIN KYUNGYOON [US], et al
• US 5868696 A 19990209 - GIESLER RICHARD C [US], et al
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Citation (search report)
• [YA] US 2019201916 A1 20190704 - MIN KYUNGYOON [US], et al
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Designated contracting state (EPC)
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